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AD-A204 781

DOCUMENTATION PAGE

1a. RESTRICTIVE MARKINGS UNCLASSIFIED			1b. RESTRICTIVE MARKINGS DTIC FILE COPY		
2a. SECURITY CLASSIFICATION AUTHORITY			3. DISTRIBUTION/AVAILABILITY OF REPORT Approved for public release; distribution is unlimited.		
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE			5. MONITORING ORGANIZATION REPORT NUMBER(S)		
4. PERFORMING ORGANIZATION REPORT NUMBER(S)			7a. NAME OF MONITORING ORGANIZATION Naval Ocean Systems Center		
6a. NAME OF PERFORMING ORGANIZATION Naval Ocean Systems Center		6b. OFFICE SYMBOL (if applicable) NOSC	7b. ADDRESS (City, State and ZIP Code) San Diego, CA 92152-5000		
8a. NAME OF FUNDING/SPONSORING ORGANIZATION Chief of Naval Operations		8b. OFFICE SYMBOL (if applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER		
8c. ADDRESS (City, State and ZIP Code) Washington, DC 20350		10. SOURCE OF FUNDING NUMBERS PROGRAM ELEMENT NO. PROJECT NO. TASK NO. AGENCY ACCESSION NO. 65853N CD87 DN305 162			
11. TITLE (include Security Classification) A PROCESS FOR THE ASSESSMENT OF NAVY C ³ I PROGRAMS					
12. PERSONAL AUTHOR(S) C. S. Fuzak, Jr.					
13a. TYPE OF REPORT Presentation/speech		13b. TIME COVERED FROM June 1988 TO June 1988		14. DATE OF REPORT (Year, Month, Day) November 1988	
15. PAGE COUNT					
16. SUPPLEMENTARY NOTATION					
17. COSATI CODES FIELD GROUP SUB-GROUP			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) command control communication		
19. ABSTRACT (Continue on reverse if necessary and identify by block number) <p>The process presently being used in the development of program evaluations in support of the Chief of Naval Operations, Director of Naval Warfare's Tactical C³I Warfare Appraisal is presented. The process is qualitative-quantitative tools for assessing the warfighting value of C³I systems are sought for future evaluations. The current program benefit assessment process involves two steps. The first step develops a prioritized and quantified listing of specific deficiencies in Navy C³I. This step uses a modified Delphi process involving officers representing both operational commands and the Chief of Naval Operations' staff. The second step quantifies the contribution of current programs' abilities to correct the identified deficiencies. This step is carried out by technical experts familiar with the C³I programs. The results of this program benefit analysis are coupled with program cost analyses to develop benefit/cost ratios. These ratios are in turn used by the Director of Naval Warfare's staff in developing the Tactical C³I Appraisal-most specifically, to support identification of "core" C³I programs. This paper describes the two-step effort leading to program benefit assessments.</p> <p>Presented at the Military Operations Research Society (MORS), 28 - 30 June 1988, Monterey, CA.</p>					
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED		
22a. NAME OF RESPONSIBLE PERSON C. S. Fuzak, Jr.			22b. TELEPHONE (include Area Code) (619) 553-3003		22c. OFFICE SYMBOL Code 16

DD FORM 1473, 84 JAN

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SECURITY CLASSIFICATION OF THIS PAGE

89 2 14 006

A Process for the Assessment of Navy C3I Programs

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(Paper to be presented at the 56th MORS Symposium, Working Group 13,
Monterey CA, 28-30 June 1988)

Abstract:

The process presently being used in the development of program evaluations in support of the Chief of Naval Operations, Director of Naval Warfare's Tactical C3I Warfare Appraisal is presented. The process is qualitative—quantitative tools for assessing the warfighting value of C3I systems are sought for future evaluations. The current program benefit assessment process involves two steps. The first step develops a prioritized and quantified listing of specific deficiencies in Navy C3I. This step uses a modified Delphi process involving officers representing both operational commands and the Chief of Naval Operations' staff. The second step quantifies the contribution of current programs' abilities to correct the identified deficiencies. This step is carried out by technical experts familiar with the C3I programs. The results of this program benefit analysis are coupled with program cost analyses to develop benefit/cost ratios. These ratios are in turn used by the Director of Naval Warfare's staff in developing the Tactical C3I Appraisal—most specifically, to support identification of "core" C3I programs. This paper describes the two-step effort leading to program benefit assessments.

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